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AN 87-026289 [04] WPIDS

DNC C87-011226

TI Mfg. poly cyclodextrin beads useful for deodorising - by partial polymerisation of cyclodextrin with epichlorohydrin, dispersion in poly carboxylic acid salt soln. and polymerisation completion.

DC A11 A96 A97 B07 C03 D21 D22

PA (NIPJ) NIPPON JUNYAKU KK

CYC 1

PI JP 61283601 A 861213 (8704)\* 6 pp

JP 07049442 B2 950531 (9526) 5 pp C08B037-16

ADT JP 61283601 A JP 85-125786 850610; JP 07049442 B2 JP 85-125786 850610

FDT JP 07049442 B2 Based on JP 61283601

PRAI JP 85-125786 850610

IC C08B037-16; C08J003-12

AB JP61283601 A UPAB: 930922

**Cyclodextrine** is polymerised by epichlorohydrine to the extent where it is not insol. in water. This is followed by dispersing polymer in aq. polycarboxylic acid salt soln. and polymerising to give insol. high polymer.

USE/ADVANTAGE - Pure prod. is obtd. with ease and lower cost. Prod. is used in chemical industry for separation, purificn., deodorising or decolouring, and as a slow diffusing medium for cosmetics, medicines, pesticides, insecticides and catalysts.

In an example 20 g of beta-dextrin powder was dissolved in 40 ml of 20% NaOH soln. and added to 14 ml of epichlorohydrine and polymerised, 200 g of aq. soln. of Na-salt of copolymer of **acrylic** acid and styrene, was added and polymerised for 1 hr. at 50 deg.C to complete the reaction and to ppte. as bead prod. This was washed thoroughly until the filtrate indicated neutral, and the purified beads were dried at 80 deg.C. The prod. had no traces of paraffin nor polycarbonate.

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FS CPI

FA AB; DCN

MC CPI: A03-A; A08-D; B04-C02; B04-C03; B12-L02; B12-M10A; B12-N01; B12-N02;  
C04-C02; C04-C03; C12-L02; C12-M10A; C12-N01; C12-N02; D08-B10; D09-B